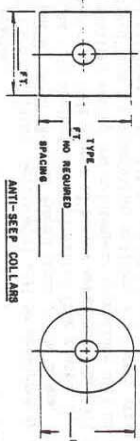
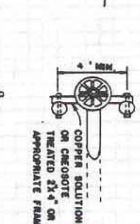
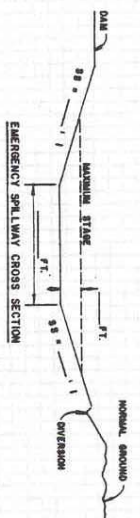


USED FOR IMPROVED WATER \_\_\_\_\_ POND CLASS \_\_\_\_\_  
 AREA AT NORMAL POOL \_\_\_\_\_ ACRES, MAXIMUM DEPTH = \_\_\_\_\_ FT.  
 CAPACITY = 0.40 X \_\_\_\_\_ AC. X \_\_\_\_\_ FT. = \_\_\_\_\_ ACRE FEET.  
 SOURCE OF WATER \_\_\_\_\_ GRAVELLED AREA \_\_\_\_\_ ACRES  
 EARTH QUANTITIES  
 EMBANKMENT \_\_\_\_\_ CU. YDS.  
 EXCAVATION OF COTTON TRENCH \_\_\_\_\_ CU. YDS.  
 EXCAVATION OF OUTLET CHANNEL \_\_\_\_\_ CU. YDS.  
 OTHER EXCAVATION ( \_\_\_\_\_ ) \_\_\_\_\_ CU. YDS.  
 TOTAL \_\_\_\_\_ CU. YDS.

BILL OF MATERIALS		QTY. (INCH)
PT OF	IN	
PT OF	IN	PER. (MINI)
ANTI-DEEP COLLAR	PT. s	DIAMETER
IN s	PT. TAKER BACK ON BLEVE	HOODS BRACK
IN s	IN TEE ON CROSS	PT. FROM TOP OF BLEVE
IN	VALVE ON	IN HEADPIPE PLATE WEIGHT
CY CONCRETE	PT. s	PT.
IN s	PT. CIRCUMFERENCE POLE	



**EMERGENCY SPILLWAY CROSS SECTION**



~~Circle~~ (MARK OUT WITH RED PENCIL THOSE ITEMS NOT REQUIRED)

SECTION ALONG 6 OF PRINCIPAL SPILLWAY  
CENTERLINE STATION 1  
NOT TO SCALE

( CHECK HERE ☐ IF NO EXCEPTIONS )

## PLAN OF POND

FARM \_\_\_\_\_  
COUNTY, ALABAMA.  
U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

AL-ENG-3 (Back)

GENERAL

Detailed engineering plans of the proposed embankment, spillway(s) and reservoir on the reverse side of this sheet are part of these specifications. All facilities for impounding water shall comply strictly with all rules and regulations of the Alabama State Board of Health laws and EPA or other pertinent regulations.

RESPONSIBILITIES OF

A. LANDOWNERS:

The landowner must acquaint himself with these plans and specifications to determine that the completed structure will fulfill his present and future needs. Inspection during construction will be the responsibility of the landowner. He may request inspection by SCS employees during construction and upon completion of work.

B. CONTRACTORS:

The contractor will acquaint himself with the provisions of these plans and specifications, conditions at the site that may affect his schedule of operation, and the location and meaning of all stakes on the site. All bench marks, grade and line stakes must be left undisturbed and protected by the contractor to facilitate construction and inspection.

C. U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE:

The United States and its employees are in no manner a party to any verbal or written contract between the landowner and the contractor. SCS employees, within limit of personnel available, will assist the landowner with inspection and advise on technique during construction to assure satisfactory compliance with the plans and specifications.

SPECIFICATIONS FOR CONSTRUCTION OF POND AND RESERVOIR

**CLEARING:** All trees and brush shall be cut as close to the ground as practical and removed from the site before water is impounded. Combustible material must be disposed of by burning, burying at approved locations, or removed from the site and stacked.

**FOUNDATION PREPARATION:** The foundation area shall be cleared of all trees, stumps and debris. All topsoil containing excessive amounts of organic material shall be removed. All sharp breaks shall be sloped to no steeper than 1:1 and the foundation thoroughly scarified before placement of the embankment fill.

**CUTOFF TRENCH:** A cutoff trench shall be excavated to the depth, bottom width and side slopes shown on the plans or as staked in the field. The cutoff trench shall be backfilled in layers not to exceed 8 inches in thickness. Standing water shall be removed from the trench before backfilling is started.

**SPILLWAY AND BORROW EXCAVATION:** Spillway(s) will be excavated in undisturbed earth and conform to the grades, bottom width and side slopes shown on the plans. All borrow areas shall be graded so as to be well drained and be protected from erosion by the use of diversions or other conservation measures. Side slopes of borrow areas shall be left in such condition that establishment of vegetation, moving and maintenance operations will be facilitated. Surface soils excavated and saved from the foundation, spillway and borrow areas shall be placed on the den, borrow areas and spillway to facilitate establishment of vegetation.

**EMBANKMENT CONSTRUCTION:** The material placed in the embankment shall be free of sod, roots, stones over 6 inches in diameter, and other objectionable materials. The fill material shall be placed and spread over the entire fill, starting at the lowest point of the foundation, in layers not to exceed 8 inches in thickness. Construction of the fill shall be undertaken only at such times that the moisture content of the fill material will permit satisfactory compaction. Special equipment will be used when the required compaction cannot be obtained by routing of the construction equipment.

**FILL MATERIAL:** Fill material shall be taken from borrow areas designated by the technician. The SCS technician will advise the contractor regarding the maximum allowable depth of cut in each borrow area. In the event this depth is exceeded in the impoundment area it shall be the responsibility of the contractor to cover the exposed area with a minimum of 2 feet of impervious material.

**PIPE CONDUIT:** The pipe conduit barrel shall be placed on a firm foundation to the grade specified. Select backfill material shall be placed around the pipe and its component parts in layers not exceeding 4 inches and each successive layer thoroughly compacted. When a pipe is required, the riser must be installed complete before final inspection and certification of practice is made. The inlet of the riser should be protected by a trash rack or sleeve.

**ANTI-SLEEP COLLARS:**

Anti-sleep collars will be of materials and dimensions, and be located, as specified. **VEGETATION:** Adapted vegetation shall be established on all exposed surfaces of the embankment, spillway, borrow and spoil areas as soon as possible after construction. Vegetation will be applied as critical areas planting and will include seeded preparation, seeding, liming, fertilizing and when needed mulching.